

FIG. 1

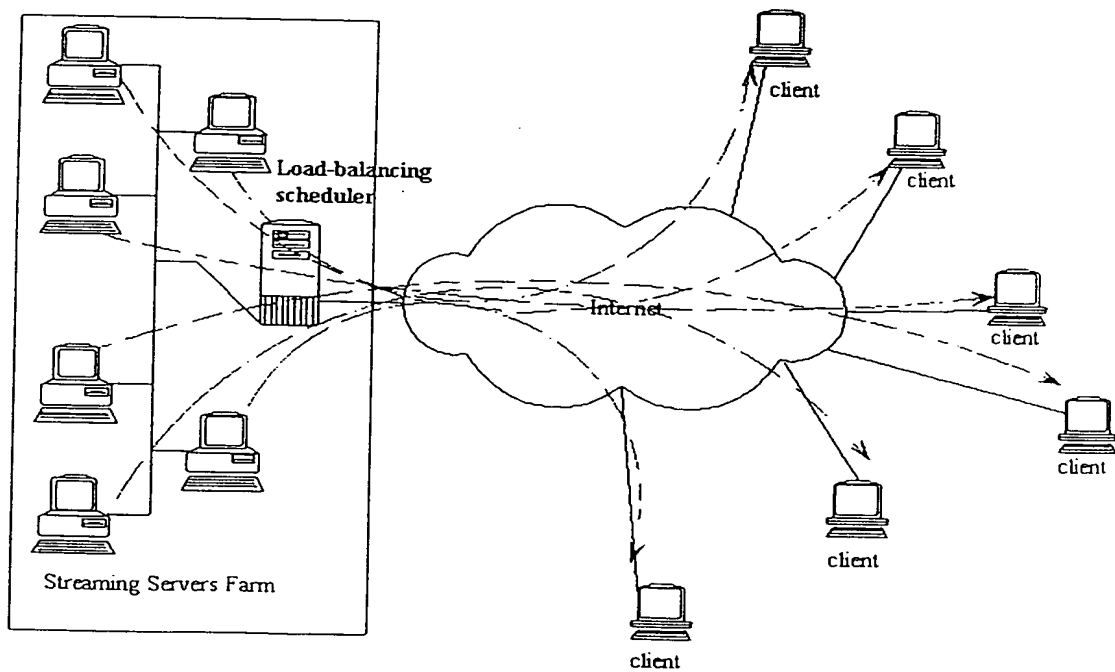


FIG. 2

004080" 44642960

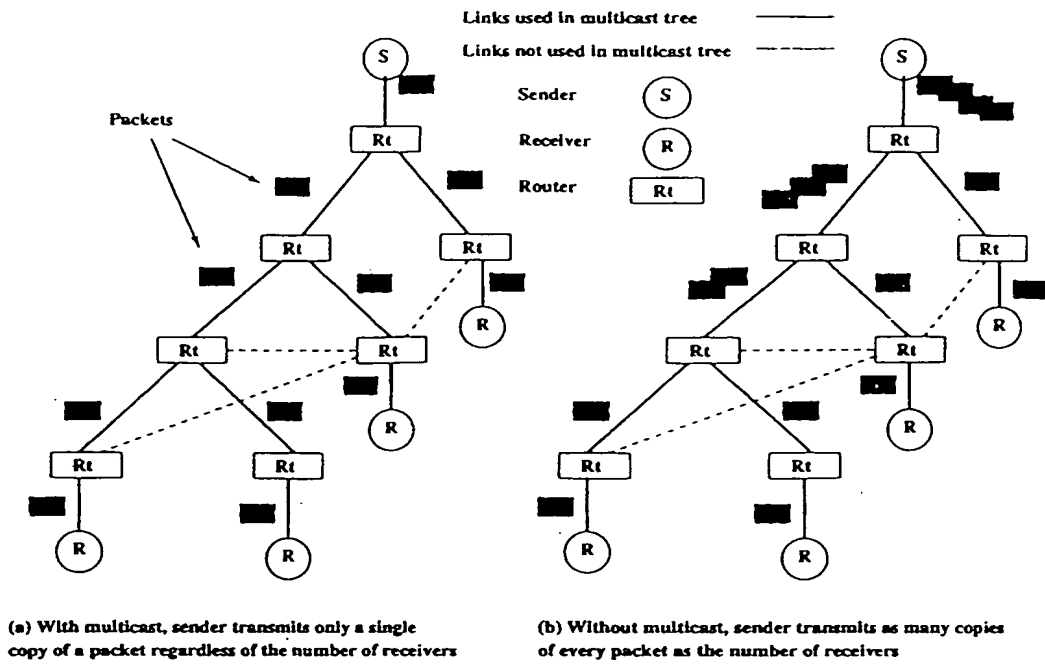


FIG. 3

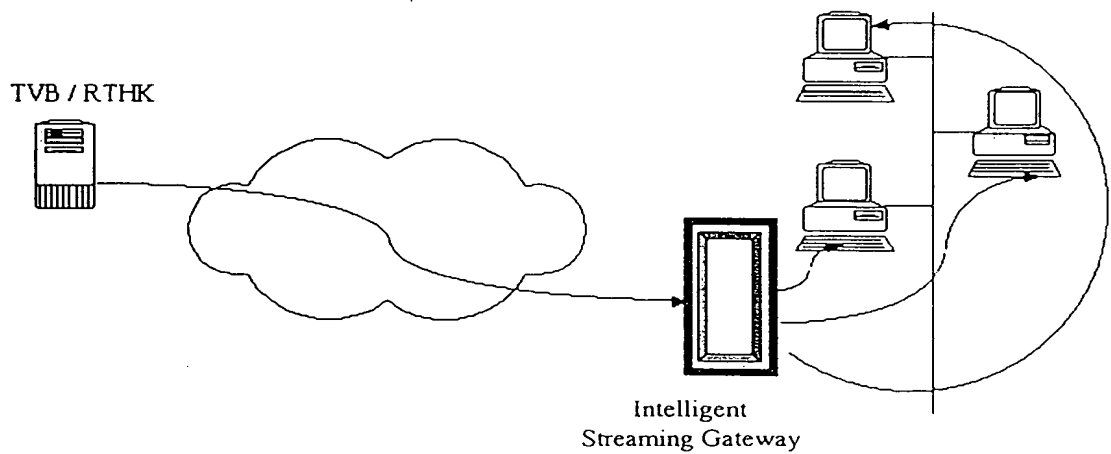


FIG. 4

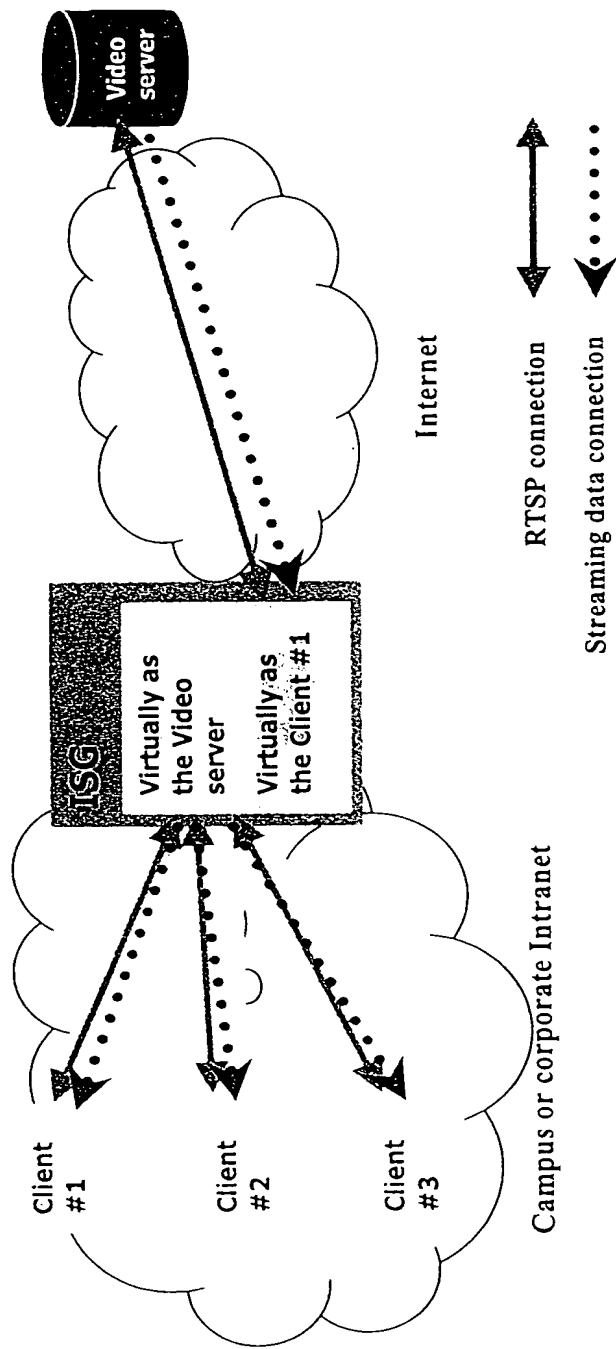


FIG. 5

```

graph TD
    Start([Start]) --> Listen[Listen to the client/server RTSP messages]
    Listen --> Check[Check the messages]
    Check --> IsSetup{Is it a "SETUP" message from a new client?}
    IsSetup -- YES --> IsNewContent{Is it a brand new streaming content?}
    IsSetup -- NO --> Modified[Modified the messages]
    IsNewContent -- YES --> Insert[Insert a new live stream entry in the table]
    IsNewContent -- NO --> FindPort[Find the corresponding network port for stream duplication]
    Insert --> Modified
    FindPort --> Modified
    Modified --> Forward[Forward the modified message to the client/server]
    Forward --> Start

```

FIG. 6

2 clients connections from ISGs.

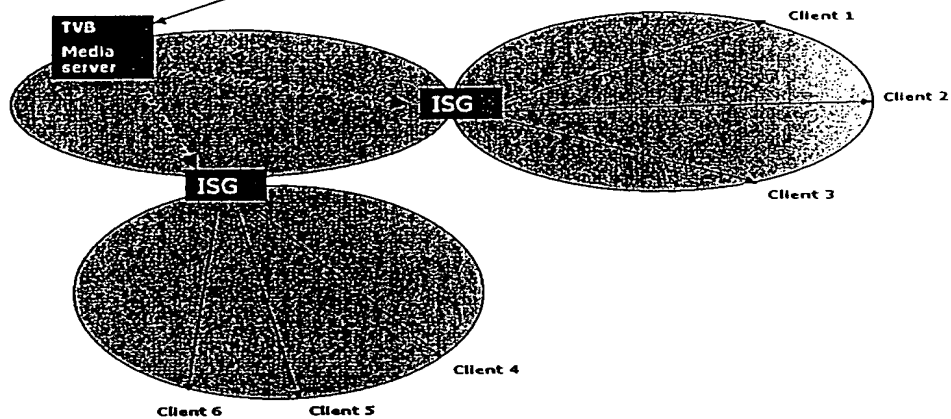


Fig. 9

Only 1 client connection from the original media server to serve 8 clients.

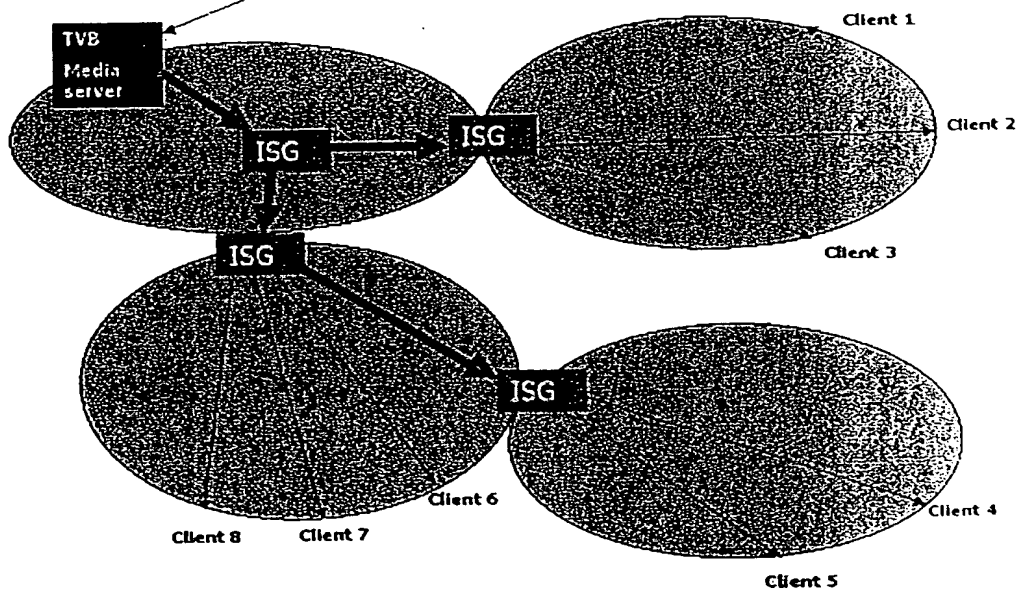


FIG. 11

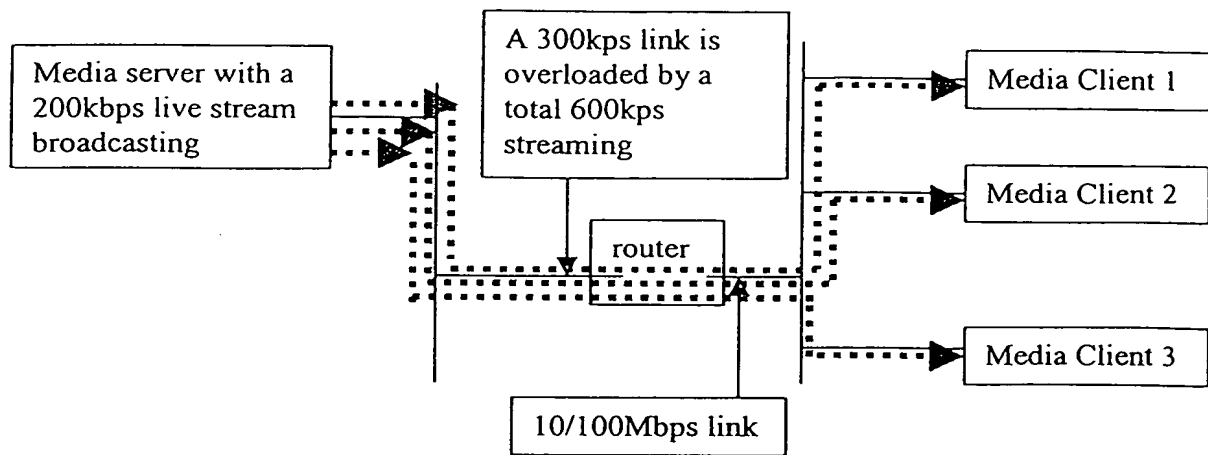
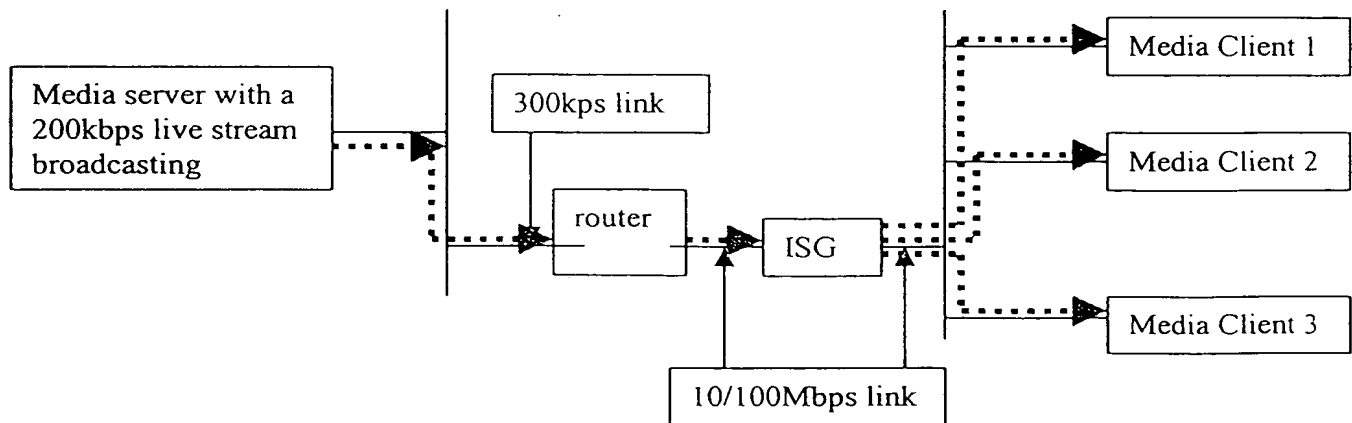


FIG. 7



F. G. 8

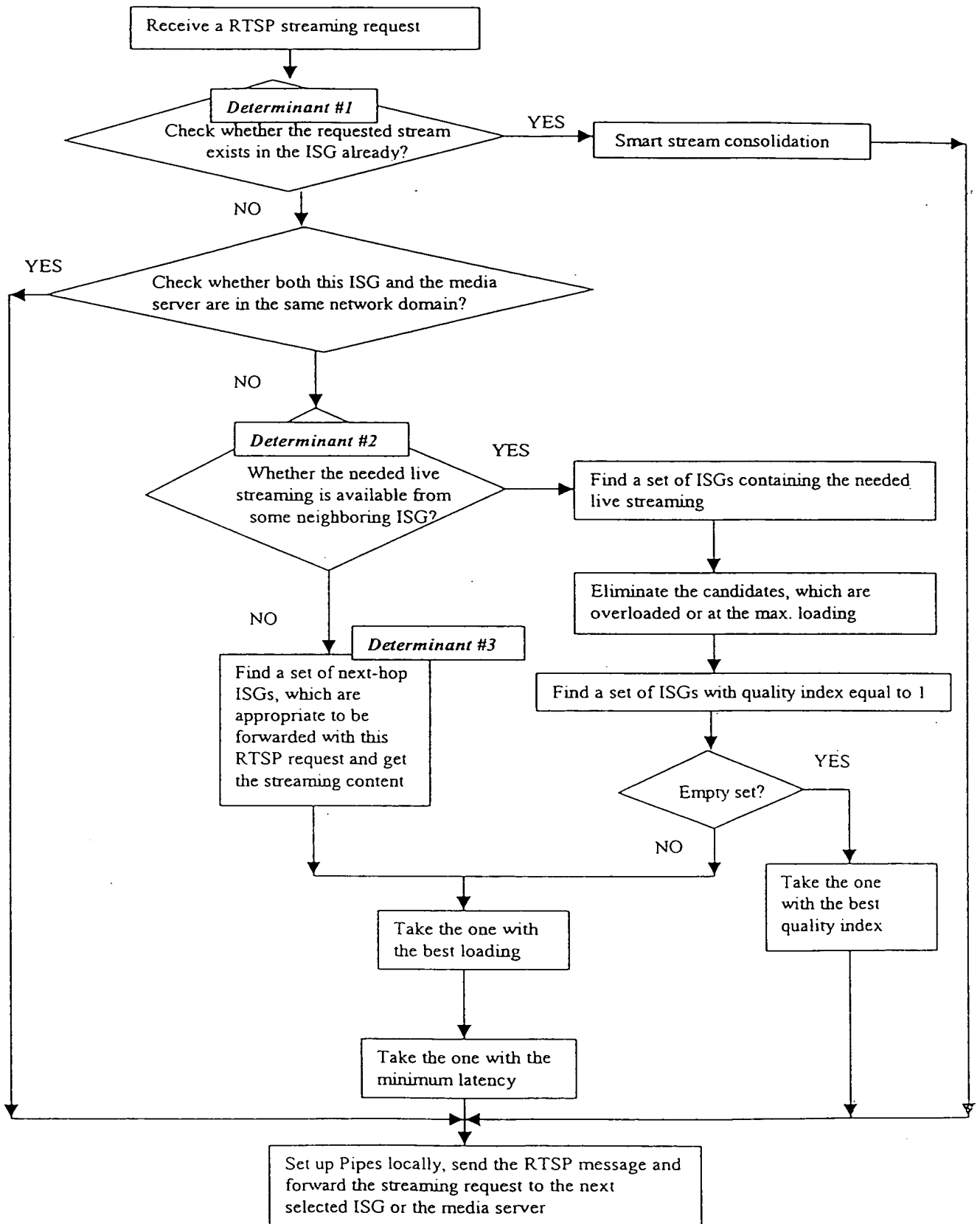


FIG. 10

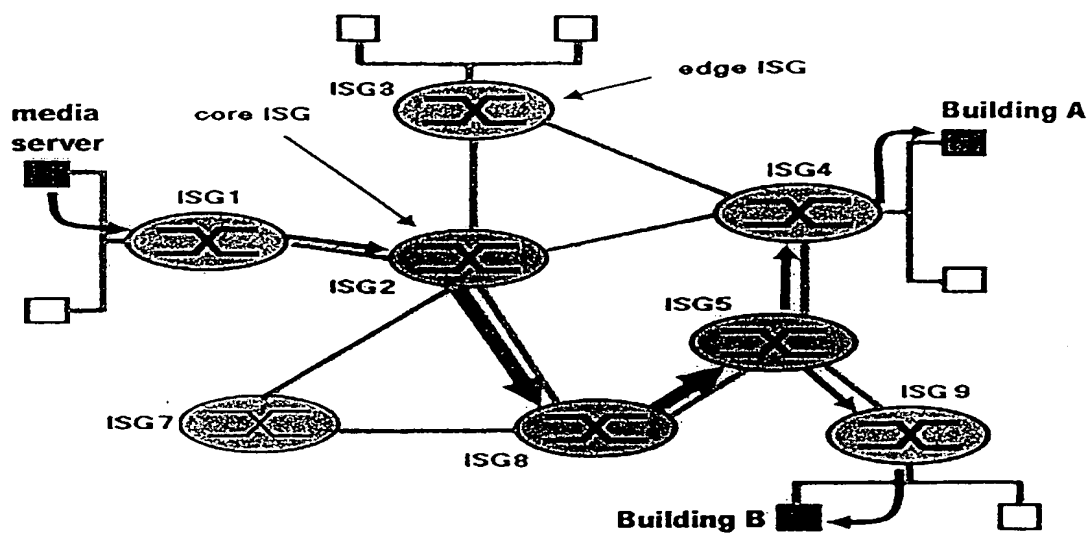


FIG 12

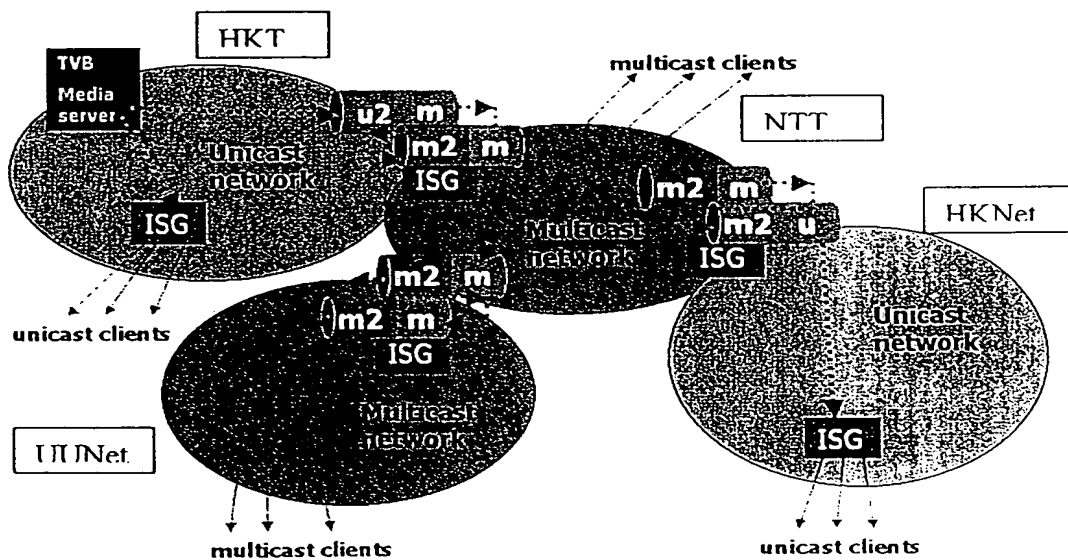


FIG. 13